

In re Patent Application of:  
**JAMES MENTZ ET AL.**  
Serial No. 10/669,133  
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**In the Specification:**

Beginning Page 6, Line 8, please amend the following paragraph to read as follows:

With continued reference to FIG. 4, The the line and neutral wires 102 and 104 connect to the residential power line. Reactor 200 discharges any potential stored on capacitor 202 after the device is unplugged. The capacitor 202 and the primary of transformer 204 form a high pass filter, allowing the power-line communications signal to pass and rejecting the line frequency (50 or 60 Hz). The two diodes 206 and 208 provide transient protection to the PLC device.

Beginning Page 7, Line 3 please amend the following paragraph to read as follows:

A combiner/separator circuit 34 as depicted schematically in Fig. 5 may be incorporated both in the power supply and in the host device to combine and separate the DC power signal and the power line communications signal. Fig. 6 is a diagram of a preferred embodiment of the invention including the Combiner/Separator circuitry, with a host device that utilizes an external power supply.